



Finnish Maritime Administration

BULLETIN No. 17/28.12.2000

TRANSPORT OF DANGEROUS GOODS IN PACKAGED FORM BY SEA

Amendment 30 to the IMDG Code

Amendment 30 to the IMDG Code enters into force on 1 January 2001. Amendment 29 may, however, be applied until 31 December 2001. Application of Amendment 30 is mandatory from 1 January 2002.

New structure of the IMDG Code

The IMDG Code has been completely reformatted and published in two volumes instead of four. The text of the reformatted IMDG Code includes, inter alia,:

- A Dangerous Goods List in order of UN number;
- An alphabetical index of dangerous goods;
- Packing provisions set out in tables
- Segregation requirements with illustrations;
- A brief list of dangerous goods which must not be transported by sea;
- A new Multimodal Dangerous Goods Form.

The following items have been deleted from the IMDG Code:

- flammable liquids, classes 3.1, 3.2 and 3.3
- the table numbers in the First Aid Guide arranged according to substances.

A number of errors have been identified in the new edition of the IMDG Code. The International Maritime Organization (IMO) has published and will publish corrigenda to it.

Instructions for order of the IMDG Code and its Supplement

The International Maritime Organization (IMO) has published a new edition of the IMDG Code and its Supplement. The names and order numbers are as follows:

IMDG Code 2000 Edition
Supplement to the IMDG Code 2000 Edition

IMO-200E
IMO-210E

The publications are obtainable from:

IMO Publications Section
4 Albert Embankment
London SE1 7SR
United Kingdom
(phone +44 20 7735 7611, fax +44 20 7587 3241)

IMO publications are also obtainable via certain bookstores.

The Decree on the Transport of Dangerous Goods in Packaged Form by Sea (666/1998) and the Finnish Maritime Administration's Order issued thereunder

The Decree on the Transport of Dangerous Goods in Packaged Form (666/1998) has been amended by a Council of State Decree (1163/2000) issued on 22 December 2000. Provisions on the transport of packaged irradiated nuclear fuel, plutonium and certain radioactive wastes (INF cargo) have been added to the Decree. The Decree, as amended, is published below.

In consequence of Amendment 30 to the IMDG Code, the Finnish Maritime Administration has issued an Order Concerning the Transport of Dangerous Goods in Packaged Form by Sea (No. 6/30/2000). The Order is published below. The Finnish Maritime Administration will also publish an order concerning the transport of INF cargo by sea.

The amendments to the Decree and the FMA Order enter into force on 1 January 2001.

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**DECREE
ON THE TRANSPORT OF DANGEROUS GOODS
IN PACKAGED FORM BY SEA (4.9.1998/666)**

Upon the presentation of the Minister of Transport and Communications the following is provided under the Act on the Transport of Dangerous Goods of 2 August 1994 (719/1994):

Section 1
Scope of application

- (1) This Decree shall apply to the transport of dangerous goods in packaged form by sea:
 - (1) in Finnish ships in and outside Finnish territorial waters; and
 - (2) in foreign ships in Finnish territorial waters.
- (2) However, this Decree shall not apply to:
 - (1) recreational craft;
 - (2) the ships of the Defence Forces or the Frontier Guard if the competent authority has separately issued provisions on transport on board them;
 - (3) maritime and inland waterway transport of dangerous goods under the supervision of the Defence Forces if the competent ministry has issued provisions thereon;
 - (4) cable ferries connecting parts of public roads; nor to
 - (5) dangerous goods meant for the ship's own use or for work on board the ship.

Section 2 (21.12.2000/1163)
Definitions

- (1) For the purposes of this Decree:
 - (1) *goods in packaged form* means dangerous goods transported in packagings, portable tanks, other containers or packed in a corresponding way; the provisions below on packagings shall also apply to intermediate bulk containers (IBCs), containers and tanks;
 - (2) *a cargo transport unit* means a vehicle, a railway wagon, a freight container, a road tank vehicle, a tank wagon or a portable tank;
 - (3) *a package* means the smallest packaging or article meant to be handled as a single unit with the exception of a consignment placed or stacked on to a load board by strapping, shrink-wrapping or stretch-wrapping;
 - (4) *the IMDG Code* means the International Maritime Dangerous Goods Code of the International Maritime Organization (IMO);
 - (5) *the SOLAS Convention* means the International Convention for the Safety of Life at Sea, 1974, (SopS 11/1981), as amended and binding on Finland;
 - (6) *INF cargo* means INF cargo containing irradiated nuclear fuel, plutonium or certain radioactive wastes, as referred to in chapter VII part D of the SOLAS Convention, which are carried in accordance with the provisions of the IMDG Code.

Section 3 (21.12.2000/1163)
Application of the IMDG Code

- (1) The transport of dangerous goods in packaged form by sea shall be governed by the IMDG Code as provided for in this Decree and as specified by the Finnish Maritime Administration under the Act on the Transport of Dangerous Goods (719/1994). When issuing orders, the Finnish Maritime Administration may derogate from the IMDG Code if there is a

special reason thereto and the corresponding safety level can be attained otherwise. In the case of transport of INF cargo, the IMDG Code must, however, always be applied.

- (2) Further information on the IMDG Code is available from the Finnish Maritime Administration.

Section 4

Classification of dangerous goods

- (1) Dangerous goods shall be divided into the following classes:

- Class 1 Explosives
- Class 2 Gases
- Class 3 Flammable liquids
- Class 4.1 Flammable solids
- Class 4.2 Substances liable to spontaneous combustion
- Class 4.3 Substances which, in contact with water, emit flammable gases
- Class 5.1 Oxidizing substances
- Class 5.2 Organic peroxides
- Class 6.1 Toxic substances
- Class 6.2 Infectious substances
- Class 7 Radioactive materials
- Class 8 Corrosives
- Class 9 Miscellaneous dangerous substances and articles

- (2) Further orders and instructions on the classification of dangerous goods shall be issued by the Finnish Maritime Administration.
- (3) In cases specified by the Finnish Maritime Administration, the goods shall be classified or the classification approved by the Safety Technology Authority or the Radiation and Nuclear Safety Authority (the STUK), which may require the shipper or the consignor of the goods to present the test results in order to ascertain the classification.
- (4) If a foreign competent authority referred to in the IMDG Code has made or approved a classification, the classification may be used also in Finland.

Section 5

Construction of packagings

- (1) Dangerous goods shall be packed for transport in packagings in conformity with this Decree and with orders issued by the Finnish Maritime Administration.
- (2) Parts of packagings which are in direct contact with dangerous substances may not be affected by chemical or other action of those substances. Such parts of packagings shall not incorporate constituents liable to react dangerously with the contents so as to form hazardous products, or to weaken them significantly.
- (3) The packaging may not be affected by any changes in pressure caused by the contents. Where necessary, adequate pressure-relief devices should be used.

Section 6

Empty packagings

Empty uncleaned packagings shall be closed and leakproof in a similar manner as corresponding filled packagings.

Section 7

Marking

- (1) The shipper and the consignor shall be liable for the packages and cargo transport units bearing markings and hazard labels in compliance with the provisions and orders.
- (2) A package and cargo transport unit containing empty uncleaned packagings shall bear the same markings and hazard labels as filled packagings.

Section 8

Overpacks

A package may be packed in a separate overpack, which may, however, not be incompatible with the packing provisions and orders pertaining to the goods transported. The overpack shall bear package markings and hazard labels specified by the Finnish Maritime Administration.

Section 9

Approval of packagings

- (1) If a packaging is required to be type-approved in compliance with the IMDG Code, it shall be approved by the Safety Technology Authority or by a body authorized by it or by a foreign competent authority referred to in the IMDG Code or by a body authorized by it.
- (2) Packaging types to be approved in Finland shall be tested in compliance with the IMDG Code in a laboratory recognised by the Safety Technology Authority.
- (3) Tanks shall be approved by the Safety Technology Authority or by a body authorized by it or by a foreign competent authority referred to in the IMDG Code or by a body authorized by it.
- (4) In the case of packagings containing radioactive material, the competent authority shall be the STUK instead of the Safety Technology Authority in accordance with further orders issued by the Finnish Maritime Administration.

Section 10

Report on the breakage of a packaging

The shipper, consignor, operator and consignee shall be liable to report any damage to the structure of a type-approved packaging that has taken place during normal conditions of transport to the Safety Technology Authority or the STUK, depending on which authority is in charge of the type-approval of the packaging.

Section 11

Rights and obligations of the Safety Technology Authority and the STUK

- (1) The Safety Technology Authority and the STUK shall, where necessary and in particular if a damaged packaging causes harm or danger, have the right to have tests carried out in a laboratory designated by it in order to ensure that a mass-produced packaging meets the requirements set for the packaging type in question.
- (2) The Safety Technology Authority and the STUK shall keep a record of packagings type-approved in Finland.

Section 12

Documentation of goods being loaded or unloaded

- (1) The consignor and the shipper shall be liable, before the loading of the goods on board the ship, to submit to the master of the ship a document referred to in section 3(1) of the Decree on Reporting Obligations of Ships Carrying Dangerous or Polluting Goods (869/1994) supplemented with information on the possible flash point of the substance as well as the number of packages in the shipment and the nature of the packagings. The document shall further contain a declaration that the shipment is properly packaged and marked, labelled or placarded, as appropriate, and in proper condition for carriage. The declaration shall be accompanied by emergency procedures.
- (2) Before unloading dangerous goods in Finland, the master of the ship shall submit a copy of the declaration referred to in paragraph (1) and its annexes to the port authority and the party handling the unloading or its representative.
- (3) Crew members shall have the right to see the declaration referred to in this section and its annexes.

Section 13

The special list or manifest

- (1) Each ship carrying dangerous goods shall have a special list or manifest setting forth the dangerous goods and their location. A detailed stowage plan, which identifies by class and sets out the location of all dangerous goods on board, may be used in place of such a special list or manifest.
- (2) Crew members shall have the right to see the declaration referred to in paragraph (1).
- (3) The special list or manifest presented to the customs and port authorities shall contain a clear entry indicating that the cargo contains dangerous goods.

Section 13 a (21.12.2000/1163)

Cargo securing

Safety arrangements pertaining to the securing of INF cargo shall meet the requirements set out in chapter VII part D of the SOLAS Convention.

Section 13 b (21.12.2000/1163)

Emergency plan

- (1) Every ship carrying INF cargo shall carry on board an emergency plan as referred to in chapter VII part D of the SOLAS Convention.
- (2) Emergency plans of Finnish ships are approved by the Finnish Maritime Administration.

Section 14

The authorities

- (1) The Finnish Maritime Administration, the police authorities and the port authorities as well as the Customs Administration and the Frontier Guard shall supervise the transport of dangerous goods in packaged form by sea. Transport operations taking place under the supervision of the Defence Forces are governed by the Act on the Transport of Dangerous Goods.

- (2) The other competent authorities shall be the Finnish Maritime Administration, the Safety Technology Authority, the STUK, and the Board for Gene Technology as provided for in this Decree and further specified by the Finnish Maritime Administration.

Section 15

Derogations in emergency operations

In urgent emergency operations, the provisions of this Decree and the orders issued thereunder may be derogated from if compliance with the provisions and orders would hamper such operations.

Section 16 (21.12.2000/1163)

Reports on accidents

Reports on accidents or incidents involving INF cargo shall be made in accordance with the requirements of chapter VII part D of the SOLAS Convention.

Section 17

Derogations

- (1) With regard to other packagings than those used for the transport of radioactive material, the Safety Technology Authority may, upon application, on a case-by-case basis and on conditions considered necessary by it, grant derogations from orders issued under this Decree.
- (2) The STUK may, for the transport of radioactive material, upon application, on a case-by-case basis and on conditions considered necessary by it, grant derogations from the orders issued under this Decree.
- (3) In other cases than those referred to in paragraphs (1) and (2), the Finnish Maritime Administration may, upon application, on a case-by-case basis, grant a derogation from the provisions of this Decree and from provisions and orders issued thereunder.
- (4) The derogations referred to in paragraphs (1) – (3) above may be granted only if there is a special compelling need therefor or if compliance with the provisions or orders would cause unreasonable costs or considerable detriment. In addition, the granting of a derogation implies that the required safety can be achieved by other means.

Section 18

Guidelines

- (1) The Finnish Maritime Administration shall, where necessary, issue guidelines on the application of this Decree.
- (2) The Safety Technology Authority, the STUK, the Board for Gene Technology, the ministry in charge of police administration, the Customs Administration and the Frontier Guard may, if necessary, issue guidelines on matters falling under their scope of authority under this Decree.

Section 19
Entry into force

- (1) This Decree enters into force on 1 November 1998.
- (2) This Decree repeals the Decree on the Transport of Dangerous Goods by Sea issued on 16 January 1980 (357/1980).
- (3) Orders issued under the Decree repealed by this Decree shall remain in force until otherwise provided for or specified.
- (4) Measures necessary for the implementation of this Decree may be undertaken before its entry into force.

The Council of State Decree on the Amendment of the Decree on the Transport of Dangerous Goods in Packaged Form by Sea (1163/2000) entered into force on 1 January 2001.

**FINNISH MARITIME
ADMINISTRATION**

ORDER

Date: 22.12.2000

No.: 6/30/2000

Contents: Transport of dangerous goods in packaged form by sea

Based on: The Act on the Transport of Dangerous Goods (719/1994), Section 24
The Decree on the Transport of Dangerous Goods in Packaged Form by Sea (666/1998), Sections 3 and 4

Validity: 1.1.2001 – indefinitely

Repeals: The Finnish Maritime Administration's Decision on the Transport of Dangerous Goods in Packaged Form by Sea, 30 December 1998, No. 7/30/98

**FINNISH MARITIME ADMINISTRATION
ORDER
CONCERNING THE TRANSPORT OF DANGEROUS GOODS IN PACKAGED FORM
BY SEA**

Helsinki, 22 December 2000

The Finnish Maritime Administration has issued the following order under section 24(2) of the Act on the Transport of Dangerous Goods of 2 August 1994 (1994/719), as amended by Act 1250/1996, and under sections 3 and 4 of the Decree on the Transport of Dangerous Goods in Packaged Form by Sea (666/1998), section 3 as it stands in Decree 1163/2000:

Section 1
Scope of application

Subject to what is provided in the Decree on the Transport of Dangerous Goods in Packaged Form by Sea (666/1998), these orders shall be complied with in the transport of dangerous goods in packaged form by sea.

Section 2
The IMDG Code

- (1) In the Decree on the Transport of Dangerous Goods in Packaged Form by Sea, the IMDG Code means the 2000 edition of the International Maritime Dangerous Goods Code (Amendment 30) of the International Maritime Organization.
- (2) Amendment 29 to the IMDG Code may, however, be applied until 31 December 2001. The consignor shall make a note in the documents as to which Amendment is applied.

Section 3

Classification of dangerous goods

- (1) Information on the classification of dangerous goods in specific cases is available from the Finnish Maritime Administration. In section 4(3) of the Decree reference is made to cases in which the IMDG Code requires that the goods are classified or the classification is approved by a competent authority. In such cases, the competent authority in Finland is the Radiation and Nuclear Safety Authority with respect to class 7 and the Safety Technology Authority with respect to the other classes.
- (2) In the case of biological products and diagnostic specimens, compliance with the requirements of the national public health authorities shall also be ensured.
- (3) If a dead animal is known or is reasonably believed to contain infectious substances, the transport of the animal should be carried out in compliance not only with these orders but also with the provisions on the handling of animal waste issued by the national competent authority of the country of origin of the animal waste, which in Finland is the Ministry of Agriculture and Forestry.
- (4) The Board for Gene Technology issues instructions on the transport of genetically modified organisms in case the organisms are known or reasonably believed to be hazardous to humans, animals or the environment. In international transport, genetically modified organisms shall be transported in accordance with the instructions of the national competent authority of the country of origin.

Section 4

Packagings

- (1) Provisions on the approval of packagings and tanks are included in section 9 of the Decree on the Transport of Dangerous Goods in Packaged Form by Sea. In the cases referred to in paragraphs (1) and (3) of the section, applications for approval should be submitted to the Safety Technology Authority or a body authorized by it and in the cases referred to in paragraph (4) pertaining to packagings and tanks containing radioactive materials to the Radiation and Nuclear Safety Authority.
- (2) In the case of pressure vessels, provisions on pressure vessels shall also be complied with.

Section 5

Transport documents

- (1) Documentation of dangerous goods, as referred to in section 12 of the Decree on the Transport of Dangerous Goods in Packaged Form by Sea, can be made on forms identical with the appended form. If necessary, similar forms containing the same information may be used.
- (2) Unless the Emergency Procedures for Ships Carrying Dangerous Goods, EmS, relating to the IMDG Code, contain instructions directly pertaining to the transport of the dangerous goods carried, relevant instructions for emergency procedures shall be attached to the transport documents.
- (3) In Finland, the certificates for transport of radioactive materials, provided for in the IMDG Code (Volume 1, chapter 5.1.5, pp. 176 – 178), are issued by the Radiation and Nuclear Safety Authority.

Section 6

Publications to be carried on board

Any ship carrying dangerous goods in packaged form shall carry the following publications on board:

- (1) the Decree on the Transport of Dangerous Goods in Packaged Form by Sea (666/1998);
- (2) these orders;
- (3) an up-to-date issue of the IMDG Code;
- (4) the Emergency Procedures (EmS); and
- (5) the Medical First Aid Guide (MFAG).

Section 7

Reporting obligations

Provisions on the reporting obligation of ships carrying dangerous goods are included in the Decree on Reporting Obligations of Ships Carrying Dangerous or Polluting Goods (869/1994).

Section 8

Entry into force

- (1) These orders shall enter into force on 1 January 2001.
- (2) These orders repeal the Finnish Maritime Administration's Decision on the Transport of Dangerous Goods in packaged Form by Sea (No. 7/30/98).

Helsinki, 22 December 2000

Heikki Valkonen
Maritime Safety Director

Magnus Fagerström
Senior Maritime Inspector

MULTIMODAL DANGEROUS GOODS FORM

This form may be used as a dangerous goods declaration as it meets the requirements of SOLAS 74, chapter VII, regulation 5; MARPOL 73/78, Annex III, regulation 4.

1 Shipper/Consignor/Sender		2 Transport document number					
		3 Page 1 of pages		4 Shipper's reference			
		5 Freight forwarder's reference					
6 Consignee		7 Carrier (to be completed by the carrier)					
		SHIPPER'S DECLARATION I hereby declare that the contents of this consignment are fully and accurately described below by the Proper Shipping Name, and are classified, packaged, marked and labelled/placarded and are in all respects in proper condition for transport according to the applicable international and national government regulations.					
8 This shipment is within the limitations prescribed for: (Delete non-applicable) <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">PASSENGER AND CARGO AIRCRAFT</div> <div style="width: 45%;">CARGO AIRCRAFT ONLY</div> </div>		9 Additional handling information					
10 Vessel/flight No. and date	11 Port/place of loading						
12 Port/place of discharge	13 Destination						
14 Shipping marks		* Number and kind of packages; description of goods		Gross mass (kg)	Net mass (kg)	Cube (m ³)	
15 Container identification No./ vehicle registration No.		16 Seal number(s)		17 Container/vehicle size & type		18 Tare mass (kg)	19 Total gross mass (including tare) (kg)
CONTAINER/VEHICLE PACKING CERTIFICATE I hereby declare that the goods described above have been packed/loaded into the container/vehicle identified above in accordance with the applicable provisions. MUST BE COMPLETED AND SIGNED FOR ALL CONTAINER/VEHICLE LOADS BY PERSON RESPONSIBLE FOR PACKING/LOADING				21 RECEIVING ORGANIZATION RECEIPT Received the above number of packages/containers/trailers in apparent good order and condition, unless stated hereon: RECEIVING ORGANIZATION REMARKS:			
20 Name of company				Haulier's name		22 Name of company (OF SHIPPER PREPARING THIS NOTE)	
Name/status of declarant				Vehicle reg. no.			
Place and date				Signature and date		Name/status of declarant	
Signature of declarant				DRIVER'S SIGNATURE		Signature of declarant	

- * **DANGEROUS GOODS:**
 You must specify: Proper Shipping Name, hazard class, UN No., packing group, (where assigned) marine pollutant and observe the mandatory requirements under applicable national and international governmental regulations. For the purposes of the IMDG Code see 5.4.1.1.
- * For the purposes of the IMDG Code, see 5.4.2.